



Pomeranian Medical University in Szczecin

SYLLABUS of the MODULE (SUBJECT) General Information

Module title: PRECLINICAL CONSERVATIVE DENTISTRY	
Module type	<u>Obligatory</u> /Facultative (wybrać)
Faculty PMU	Faculty of Medicine and Dentistry
Major	Dentistry
Level of study	long-cycle (S2J)
Mode of study	full-time studies
Year of studies, semester	year 2 , semester IV
ECTS credits (incl. semester breakdown)	5
Type/s of training	Lecture 3h/seminars 4h/ practical classes 60h
Form of assessment*	<input type="checkbox"/> graded assessment: <ul style="list-style-type: none"> <input type="checkbox"/> descriptive <input type="checkbox"/> test <input type="checkbox"/> practical <input type="checkbox"/> oral <input type="checkbox"/> non-graded assessment <ul style="list-style-type: none"> <input checked="" type="checkbox"/> final examination <ul style="list-style-type: none"> <input checked="" type="checkbox"/> descriptive <input checked="" type="checkbox"/> test <input checked="" type="checkbox"/> practical <input type="checkbox"/> oral
Head of the Department/ Clinic, Unit	Prof. dr hab. n. med. Mariusz Lipski
Tutor responsible for the module	dr n. med. Ewa Marek fantom@pum.edu.pl 91-466-1630
Department's/ Clinic's/ Unit's website	link
Language	English

* replace into where applicable

Detailed information

Module objectives		Goal of preclinical conservative dentistry is teaching students how to diagnose and treat dental caries and how to restore destroyed crown's tissues due to caries and other diseases
Prerequisite /essential requirements	Knowledge	The student knows anatomy and histology of the teeth, the materials and the instruments used in conservative dentistry
	Skills	Work in accordance with the principles of ergonomics
	Competences	Habit of self-education; co-operate with team member

Description of the learning outcomes for the subject /module			
No. of learning outcome	Student, who has passed the (subject) knows /is able to /can:	SYMBOL (referring the standards)	Method of verification of learning outcomes*
W01	knows and understands surface properties of tooth hard tissue and dental biomaterials	C.W26.	practical classes (oral, written answer), final exam (written answer)
W02	knows and understands adhesion and mechanism of developing adhesive joint and procedures for adhesive preparation of enamel, dentine and dental biomaterials surfaces	C.W27.	practical classes (oral, written answer), final exam (written answer)
W03	knows and understands basic clinical procedures for reconstruction of tooth hard tissue, endodontic treatment and methods and laboratory procedures for prosthetic restorations	C.W28.	practical classes (oral, written answer), final exam (written answer)
W04	knows and understands principles of management in the case of pulp diseases and mineralized dental tissues as well as teeth and facial bones trauma	F.W5.	practical classes (oral, written answer), final exam (written answer)
W05	knows and understands indications and contraindications to esthetic procedures	F.W11.	practical classes (oral, written answer), final exam (written answer)
U01	is able to provide endodontic treatment and restore missing mineralized tissue of phantom tooth	C.U9.	practical classes (oral, written answer), final exam (written answer)
U02	is able to apply adhesive techniques	C.U10.	practical classes (oral, written answer), final exam (written answer)
U03	is able to select reconstructive, prosthetic and binding materials according to properties of materials and clinical conditions	C.U11.	practical classes (oral, written answer), final exam (written answer)
U04	is able to formulate research problems in dentistry	F.U12.	practical classes (oral, written answer), final exam (written answer)
K01	is ready to notice and recognize own limitations, make self-assessment of educational deficits and needs	K.5.	practical classes (oral, written answer), final exam (written answer)

K02	is ready to propagate health-promoting behavior	K.6.	practical classes (oral, written answer), final exam (written answer)
K03	is ready to use reliable sources of information	K.7.	practical classes (oral, written answer), final exam (written answer)
K04	is ready to assume responsibility related to decisions taken as a part of professional activity, also in terms of own safety and the safety of others	K.11.	practical classes (oral, written answer), final exam (written answer)

Table presenting LEARNING OUTCOMES in relation to the form of classes								
No. of learning outcome	Learning outcomes	Type of training						
		Lecture	Seminar	Practical classes	Clinical classes	Simulations	E-learning	Other...
W01	knows and understands surface properties of tooth hard tissue and dental biomaterials	X	X			X		
W02	knows and understands adhesion and mechanism of developing adhesive joint and procedures for adhesive preparation of enamel, dentine and dental biomaterials surfaces	X	X			X		
W03	knows and understands basic clinical procedures for reconstruction of tooth hard tissue, endodontic treatment and methods and laboratory procedures for prosthetic restorations	X	X			X		
W04	knows and understands principles of management in the case of pulp diseases and mineralized dental tissues as well as teeth and facial bones trauma	X	X			X		
W05	knows and understands indications and contraindications to esthetic procedures	X	X			X		
U01	is able to provide endodontic treatment and restore missing mineralized tissue of phantom tooth					X		
U02	is able to apply adhesive techniques					X		
U03	is able to select reconstructive, prosthetic and binding materials according to properties of materials and clinical conditions					X		
U04	is able to formulate research problems in dentistry		X					
K01	is ready to notice and recognize own limitations, make self-assessment of educational deficits and needs					X		
K02	is ready to propagate health-promoting behavior					X		
K03	is ready to use reliable sources of information					X		

K04	is ready to assume responsibility related to decisions taken as a part of professional activity, also in terms of own safety and the safety of others						X		
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Table presenting TEACHING PROGRAMME

No. of a teaching programme	Teaching programme	No. of hours	References to learning outcomes
Summer semester			
Lectures			
TK01	Etiology of caries. Classification of caries.	1	W01, W02, W03, W04, W05
TK02	Methods of caries diagnosis.	1	W01, W02, W03, W04, W05
TK03	Methods of caries diagnosis.	1	W01, W02, W03, W04, W05
Seminars			
TK01	Basic information about vital pulp therapy- part I. Indirect pulp capping. Materials for indirect pulp capping.	1	W02, W03, W04 U04
TK02	Basic information about vital pulp therapy- part I. Indirect pulp capping. Materials for indirect pulp capping.	1	W02, W03, W04 U04
TK03	Basic information about vital pulp therapy- part II. Direct pulp capping.	1	W02, W03, W04 U04
TK04	Basic information about vital pulp therapy- part II. Direct pulp capping.	1	W02, W03, W04 U04
Simulation			
TK01	Etiology of caries. Clinical course and classification of dental caries. Diagnosis of dental caries. Ergonomics in dentistry (correct position of the dentist). Dental instruments. Rubber dam placement.	4	W01, W02, W04, W05 U01, U02, U03 K01, K02, K03, K04
TK02	G.V. Black and Mount-Hume classification of caries. Treatment initial and superficial caries. PRR1 procedure on occlusal surface in molar tooth using pit and fissure sealant/flow composite. Rubber dam placement. Exercises using the Simodont – preparation the cavities in virtual blocks (rectangle, circle and cross shaped blocks)	4	W01, W02, W04, W05 U01, U02, U03 K01, K02, K03, K04
TK03	Ist class G.V. Black –cavity design. Differences in cavity preparation for composite. Basic knowledge of composite and bonding agents. Rules of finishing composite restorations. Ist class cavity preparation on caries media in occlusal surface in molar. Composite restoration. Rubber dam placement. Exercises using the Simodont – I class cavity preparation	4	W01, W02, W05 U01, U02, U03 K01, K02, K03, K04
TK04	IIIRD class G.V. Black-cavity design. Basic knowledge in color and shade analysis. Cavity preparation of caries media on approximal surface without removal labial wall on canine/ incisor. Composite restoration. Finishing and polishing composite restoration. Simodont – III class cavity preparation	4	W01, W02, W05 U01, U02, U03 K01, K02, K03, K04
TK05	IIIRD class G.V. Black-cavity design. Basic knowledge in color and shade analysis. Cavity preparation of caries media on approximal surface with removal labial wall on lateral incisor. Composite restoration. Finishing and polishing composite restoration. Simodont – III class cavity preparation	4	W01, W02, W05 U01, U02, U03 K01, K02, K03, K04
TK06	IIIRD class G.V. Black – cavity design. Matrix systems. The MO/DO cavity preparation on premolar. Composite restoration. Finishing and polishing composite restoration. Simodont – II class cavity preparation (MO or DO)	4	W01, W02, W03, W05 U01, U02, U03 K01, K02, K03, K04

TK07	IIInd class G.V.Black – cavity design. Matrix systems. The MOD cavity preparation on premolar. Composite restoration. Finishing and polishing composite restoration. Simodont – II class cavity preparation (MOD)	4	W01,W02,W03, W05 U01,U02,U03 K01,K02,K03, K04
TK08	Vth class G.V. Black-cavity design. Differences in cavity preparation for adhesive restoration. Glass Ionomer Cements. Differences in cavity preparation for GIC and composite in V class. Vth class preparation on labial surface of canine or lateral incisor. Filling the cavity with glass ionomer cement. Vth class preparation on buccal surface of molar. Filling the cavity with resin-modified glass-ionomer cement. Simodont – Vth class preparation	4	W01,W02,W03, W05 U01,U02,U03 K01,K02, K03,K04
TK09	Vth class G.V. Black- cavity design. Differences in cavity preparation for adhesive restoration. V-th class preparation on labial surface of canine or lateral incisor. Composite restoration. Simodont – Vth class preparation.	4	W01,W02,W03, W05 U01,U02,U03 K01,K02,K03, K04
TK10	Fundamentals of biological treatment of pulp diseases (part I). Odontotropic materials. Deep caries. Differences in medical procedures in the treatment of deep caries. Indirect pulp capping, technique of implementation, indications, contraindications. Cavity preparation of deep caries on approximal surface of premolar tooth. Indirect pulp capping, putting composite restoration. Finishing and polishing restoration.	4	W01,W02,W03, W04,W05 U01, U02, U03 K01, K02, K03, K04
TK11	Fundamentals of biological treatment of pulp diseases (part II). Direct pulp capping, technique of implementation, indications, contraindications. Bioactive materials (calcium hydroxide cements, MTA, Biodentine) - presentation of their preparation. Cavity preparation of deep caries on approximal surface of molar tooth. Direct pulp capping, composite restoration. Finishing and polishing restoration.	4	W01,W02,W03, W04,W05 U01,U02,U03 K01,K02,K03,K04
TK12	IVth class G.V. Black-cavity design. Differences in cavity preparation resulting from the use of adhesive materials specially enamel preparation for aesthetic restorations. Cavity preparation of caries media on approximal surface of anterior tooth. Using celuloid crown. Putting composite restoration. Finishing and polishing composite restoration.	4	W01,W02,W03, W05 U01,U02,U03 K01,K02,K03,K04
TK13	IVth class G.V. Black-cavity design. Differences in cavity preparation resulting from the use of adhesive materials specially enamel preparation for aesthetic restorations. Cavity preparation of caries media on approximal surface of central/lateral incisor. "Free hand" composite restoration using celluloid strip. Finishing and polishing composite restoration.	4	W01,W02,W03, W05 U01,U02,U03 K01,K02,K03,K04
TK14	PRE-OSCI	4	W01,W02,W03, W05 U01,U02,U03 K01,K02,K03,K04

Booklist

Obligatory literature:

1. Garg N., Garg A. *Textbook of operative dentistry*
2. Kidd E. A.M. *Pickard's Manual Of Operative Dentistry*
3. Roberson T.M. *Art & Science of operative dentistry*

Student's workload	
Form of student's activity (in-class participation; activeness, produce a report, etc.)	Student's workload [h]
	Tutor
Contact hours with the tutor	67
Time spent on preparation to seminars/ practical classes	15
Time spent on reading recommended literature	15
Time spent on writing report/making project	0
Time spent on preparing to colloquium/ entry test	25
Time spent on preparing to exam	20
Other	
Student's workload in total	142
ECTS credits for the subject (in total)	5
Remarks	

* Selected examples of methods of assessment:

EP – written examination

EU – oral examination

ET – test examination

EPR – practical examination

K – colloquium

R – report

S – practical skills assessment

RZC – practical classes report, incl. discussion on results

O – student's active participation and attitude assessment

SL – lab report

SP – case study

PS - assessment of student's ability to work independently

W – entry test

PM – multimedial presentation

other...